

EXHIBIT C

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2001 年 6 月 25 日

6/25

1271+PCR

vol 20 µl, SP6/T7 2 µl, 1 µl each, LA-TL
 x=5 → 24 5 pick-up 3 cycles
 x=10 → 24 5

10x LA-B-L	2 µl	107
10x TTPs	1.6	87.6
2 µl T7	1	51
2 µl SP6	1	51
4 µl	14.3	729.3
LA-TL	0.1	5.1
20 µl		



~ 3kb	5 clone	#8 #15 #5 #12 #10
~ 2kb	3 clone	#3 #2 #8
~ 0.9kb	3 clone	#9 #12 #6
< 0.9kb	5 clone	#10 #11 #17 #18 #20

SP6 / T7 両方向で読取

ク #1	h 8817 / pGEMT easy	ク #3	Primer	ク #19	Primer	Primer	Primer
2		#8	SP6	12	T7	poly A	Q
3		#9		27			Q
4		#10		27			Q
5		#11		27			Q
6		#12		27			Q
7		#15		27			Q
8		#16		27			Q
9		#17		27			Q
10		#18		27			Q
11		#19		27			Q
12		#20		27			Q
13		#2		27			Q
14		#5		27			Q
15		#6		27			Q
16		#12		27			Q
17		#18		27			Q
18				27			Q

Seq. PCR

Pre-Mix	3 µl	60
2 µl Primer	0.8 µl	16
DNA	1 µl	
4 µl	5.2 µl	104
	10 µl	

5-8 (2.5kb)	ク #20	m 8817 (1067-1069) m 文夫
5-12 (0.9kb)	ク #24	E143
5-15 (2.5)	ク #25	
10-2 (1.9)	ク #30	
10-5 (2.5)	ク #31	
10-6 (1.9)	ク #32	
10-12 (2.5)	ク #33	
10-18 (2.5)	ク #34	

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2001年 6月26日

646

0627	lk 1	h 8817 (3) - 3	↑	0.5 μl	Primer	Fand h 8817	Sub-Per	PKI	16	12
2	↓		↓	1 μl						
3	↓	6.5	↑	1 μl						
4	↓	7.10 - 7.5					Pre mix	3 μl	1.8	1.2
5	↓	7.10 - 7.1A					p.p.A	1 μl		
6	↓	7.5 - 7.8					2 μl Primer	0.8 μl	4.8	3.2
7	↓	7.10 - 7.5					dtro	5.2 μl	31.2	20.8
8	↓	7.10 - 7.1A						10 μl		

0625 a 253

ATG 2's ~ 500 bp. 72: 1.1 x 10⁴ poly A.

5-10 (0.9 kb) lk 22

5-11 (0.9) lk 23

5-16 (0.9) lk 26

5-18 (0.9) lk 28

5-20 (0.9) lk 29

0627 a 253

ORF 553

IS Translation Editor [h8817c10-5(22-1371).abi.Seq] 2001.7.6

22	ATGCAGTTTCGCCCTTTCTCCTTTGCCCTCATCTCTGAACATGCATGGATTACAGCCAC	81
1	M Q F R L F S F A L I I L N C M D Y S H	20
82	TGCCAAGGCAACCGATGGAGACGCGAGTAAAGCGAGCTAGTTATGTATCAAAATCCCATTTGC	141
21	C Q G N R W R R S K R A S Y V S N P I C	40
142	AAGGGTTGTTTGTCTGTCTCAAAAGGACAATGGGTGTAGCCGATGTCAACAGAAGTTGTTTC	201
41	K G C L S C S K D N G C S R C Q Q K L F	60
202	TTCCTCCTTCGAAGAGAAGGGATGCGCCAGTATGGAGAGTGCCTGCATTCCTGCCCATCC	261
61	F F L R R E G M R Q Y G E C L H S C P S	80
262	GGGTACTATGGACACCGAGCCCCAGATATGAACAGATGTGCAAGATGCAGAATAGAAAAAC	321
81	G Y Y G H R A P D M N R C A R C R I E N	100
322	TGTGATTCCTGCTTTAGCAAAGACTTTTGTACCAAGTGCAAAGTAGGCTTTTATTTGTCAT	381
101	C D S C F S K D F C T K C K V G F Y L H	120
382	AGAGCCCGTTGCTTTGATGAATGTCCAGATGGTTTTCACCATAGAGAAGAACCATGGAA	441
121	R G R C F D E C P D G F A P L E E T M E	140
442	TGTGTGGAAGGATGTGAAGTTGGTCATGGAGCGAATGGGGAACCTGTAGCAGAAATAAT	501
141	C V E G C E V G H W I S E W G T C S R N N	160
502	CGCACATGTGGATTTAAATGGGGTCTGGAACACGAGAACCGCAATTTGTTAAAAAGCCA	561
161	R T C G F K W G L E T R T R Q I V K K P	180
562	GTGAAGACACAATACTGTGTCCAACCATTTGCTGAATCCAGGAGATGCAAGATGACAATG	621
181	V K D T I L C P T I A E S R R C K M T M	200
622	AGGCTTGTCCAGGAGGAAGACAACCAAGGCGAAGGAGAAGAGGAACAAGAAAAAG	681
201	R H C T P G G G K R T P K A K E K R N K K K	220
682	AAAAGGAAGCTGATAGAAAGGGCCAGGAGCAACAACAGCGTCTTCTAGCTACAGACAGA	741
221	K R K L I E R A Q E Q H S V F L A T D R	240
742	GCTAACCAATAA	753
241	A N Q *	244

4/06/7/6 ml

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m.k
記録者署名

2001年 7 月 6 日

確認者署名

171 年 7 月 9 日

2001年7月6日

2001年7月6日

DNASIS
h8817c10-5(22-1371).ab1.Seq

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10      20      30      40      50      60
GATTCGGCTC GAGCGGCCA GATTCAGTTT CGCCTTTTCT CTTTGGCCTT CATCATCTG

70      80      90      100     110     120
AACTGCATGG ATTACAGCCA CTGCCAAGGC AACCGATGGA GACGCAGTAA GCGAGCTAGT

130     140     150     160     170     180
TATGTATCAA ATCCCAATTG CAAGGGTGTG TTGTCTTGTT CAAAGGACAA TGGGTGTAGC

190     200     210     220     230     240
CGATGTCAAC AGAAGTGTGT CTCTCTCTCT CGAAGAGAAG GGATGGGCCA GTATGGAGAG

250     260     270     280     290     300
TGCCTGCATT CCGGCCATC CGGTACTTAT GGACACCGAG CCCAGATAT GAACAGATGT

310     320     330     340     350     360
GCAAGATGCA GATAGAAAA CTGTGATICT TGCTTTAGCA AAGACTTTTG TACCAAGTGC

370     380     390     400     410     420
AAAGTAGGCT TTATTTTGCA TAGAGGCCGT TGCTTTGATG AATGTCCAGA TGGTTTTCGA

430     440     450     460     470     480
CCATTAGAAG AAACCATGGA ATGTGTGGAA GGATGTGAAG TTGGTCATTG GAGCGAATGG

490     500     510     520     530     540
GGAAGTTGTA GCAGAAATAA TCGCACATGT GGATTTAAT GGGGTCTGGA AACCAAGACA

550     560     570     580     590     600
CGGCAAAATTG TTAAGAGGCC AGTGAAGAC ACAATACTGT GTCCACCATC TGCTGAATCC

610     620     630     640     650     660
AGGAGATGCA AGATGACAAAT GAGGCATTGT CCAGGAGGGA AGAGAACACC AAAGCGGAGG

670     680     690     700     710     720
GAGAAGAGGA ACAAGAAAAA GAAAAGGAAG CTGATAGAAA GGGCCAGGA GCAACACAGC

730     740     750     760     770     780
GTCTTCTTAG CTACAGACAG AGCTAACCAA TAAACACAGA GATCCGGTAG ATTTTITAGG

790     800     810     820     830     840
GTTTITGTTT TTGCAATGTT GCACAAAGCT ACTCTCCACT CCTGCACACT GGTGTGCAGC

850     860     870     880     890     900
CTTTGTGCTG CTCTGCCAGG TATCTGTCTC CAGTAACATG GTGAAGGAA GCACACACAG

910     920     930     940     950     960
CATGGCCCTT GTGTTATTTA TGCTTTGATT TGAATCTGGA GACTGTGAAG GCAGGAGTAA

970     980     990     1000    1010    1020
GTGCACAGCC CGTCACTTGS CTCACTGTGT GCTGAGAGAA TCCGTCCCGG GCACCATGGA

1030    1040    1050    1060    1070    1080
CATCTAGAGG GTGTGAGGCT GCAGAACACC GCTGAGGAC GGACTTGTGC CTATTATGTT

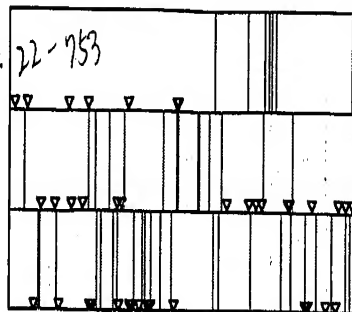
1090    1100    1110    1120    1130    1140
GAAGAGAGAT GCTTGGCAGG CAATGGCCTA CTCACCTGTG ACCTTTATTT CTCACATTGT

1150    1160    1170    1180    1190    1200
GATTTTCAA GGATATGTTT GTGTGGATAT CTGCTTAGTG TACCAATG GTATTCTCAG

1210    1220    1230    1240    1250    1260
GATTAACCT TCACACTGTT GTGGATGAA ACTGCTTTTA GCTGAGGATA TGCTCTGG..
    
```

Mode : Normal Range : 1 - 1258
Init : ATG
Term : TAA TAG TGA

1 252 503 754 1005 1258



DNASIS

Homology Region [h8817c10-5(22-1371).ab[Frame 1]]

No. Target file Definition
1 m#8817(642-1)

Match% Over. INIT
95.9 243 1357

```

10      20      30      40      50      60
h8817c10-5(2 MQFRLFSFALILNMDYSHCQGNWRNRKRASVVSNPICKGLSCSKDNGCSRCQKLF
... X:.....
m#8817(642-1 MRFCFLFSFALILNMDYSQCQGNWRNRKRASVVSNPICKGLSCSKDNGCSRCQKLF

10      20      30      40      50      60
h8817c10-5(2 FFLRREGMRQYGECLHSCPSGYGHRAPDMNRCARCIENDSCFSKDFCTKCKVGFYLH
... X:.....
m#8817(642-1 FFLRREGMRQYGECLHSCPSGYGHRAPDMNRCARCIENDSCFSKDFCTKCKVGFYLH

10      20      30      40      50      60
h8817c10-5(2 RGRCFDECPDGFAPLEETMECEVGEVGHSEWGTCSRNRCTCGFKWGLETRTRQIVKKP
... X:.....
m#8817(642-1 RGRCFDECPDGFAPLEETMECEVGEVGHSEWGTCSRNRCTCGFKWGLETRTRQIVKKP

10      20      30      40      50      60
h8817c10-5(2 VKDTILCPTIAESRRCKMIMRHCPGGRTPKAKEKRNKKRKLIERAQEQHSVFLATDR
... X:.....
m#8817(642-1 AKDTIPCPTIAESRRCKMIMRHCPGGRTPKAKEKRNKKRKLIERAQEQHSVFLATDR

10      20      30      40      50      60
h8817c10-5(2 ANQ
...X
m#8817(642-1 VNQ
    
```

合計長: 約2.5kb

ORF: 22, 753

7054: 272, 95.9% (AD) 92.3% (DFA)
(ORF 22, 753)

Match%	Over.	INIT
76.9	1291	188 3

4. 11/10/01 (012) -

	10	20	30	40	50	60
h8817c10-5(2	GATTCCGCTCGACGCCGCCAGATGCAGTTTGCCCTTTCTCCTTTGCCCTCATCATTTCTG					
mm8817(642-1	TCCCCAGCCCGA-CGCTCCAGATGCGTTTGTGCTCTTCTCATTTGCCCTCATCATTTCTG					
	630	640	650	660	670	680
	70	80	90	100	110	120
h8817c10-5(2	AACTGCATGGATTACAGCCACTGCCAAGGCAACCGATGGAGACGCAATAGCCAGCTAGT					
mm8817(642-1	AACTGTATGGATTACAGCCAGTGCACAGGCCAACCGATGGAGACCAATAGCCAGCTAGT					
	690	700	710	720	730	740
	130	140	150	160	170	180
h8817c10-5(2	TATGTATCAAAATCCCATTTGCAAGGGTGTGTCTCTGTCTGTCTCAAGGCAATGGGTGTAG					
mm8817(642-1	TATGTATCAAAATCCCATTTGCAAGGGTGTGTCTCTGTCTGTCTCAAGGCAATGGGTGTAG					
	750	760	770	780	790	800
	190	200	210	220	230	240
h8817c10-5(2	CGATGTCAACAGAAAGTGTCTCTCTCTCTCTCGAAGAGAAGGGATGCCGAGTATGGAGAG					
mm8817(642-1	CGATGTCAACAGAAAGTGTCTCTCTCTCTCTCGAAGAGAAGGGATGCCGAGTATGGAGAG					
	810	820	830	840	850	860
	250	260	270	280	290	300
h8817c10-5(2	TGACTGCATTTCTGCCATCTCGGGTACTATGGACACGAGCCCGAGATATGAACAGATGT					
mm8817(642-1	TGCTTGCATTTCTGCCATCTCGGGTACTATGGACACGAGCCCGAGATATGAACAGATGT					
	870	880	890	900	910	920
	310	320	330	340	350	360
h8817c10-5(2	GCAAGATGCAGAAATAGAAAACCTGTATCTCTGTCTTTAGCAAGACATTTGTACCAAGTGC					
mm8817(642-1	GCAAGATGCAGAAATAGAAAACCTGTATCTCTGTCTTTAGCAAGACATTTGTAGCAAGTGC					
	930	940	950	960	970	980
	370	380	390	400	410	420
h8817c10-5(2	AAAGTAGGCTTTTATTGTGCATAGAGCCGCTTGCTTTGATGAATGTCCAGATGGTTTGTCA					
mm8817(642-1	AAAGTAGGCTTTTATTGTGCATAGAGCCGCTTGCTTTGATGAATGTCCAGATGGTTTGTCA					
	990	1000	1010	1020	1030	1040
	430	440	450	460	470	480
h8817c10-5(2	CCATTAGAGAAACCATGGAATGTGTGGAAGGATGTGAAGTTGGTCATTTGGAGCGAATGG					
mm8817(642-1	CCGTTAGATGACATATGGAATGTGTGGAAGGATGTGAAGTTGGTCATTTGGAGCGAATGG					
	1050	1060	1070	1080	1090	1100
	490	500	510	520	530	540
h8817c10-5(2	GGAACCTGTAGCAGAAATATCGCACATGTGGATTAAATGGGGCTCGGAAACCGAACA					
mm8817(642-1	GGAACCTGTAGCAGAAACACACCGCAGCTGTGGATTAAATGGGGCTCGGAAACCGAACA					
	1110	1120	1130	1140	1150	1160
	550	560	570	580	590	600
h8817c10-5(2	CGGCAAAATGTTAAAAAGCCAGTGAAGACACAACTATCTGTGTCCAAACCTTCTGAATCC					
mm8817(642-1	CGGCAAAATGTTAAAAAGCCAGCAAAAGACACAACTATCTGTGTCCAAACCTTCTGAATCC					
	1170	1180	1190	1200	1210	1220
	610	620	630	640	650	660
h8817c10-5(2	AGGAGATCCAGATGACCAATGAGGCAATGTCCAGGAGGAGAGAACCAAGGGGAGAG					
mm8817(642-1	AGGAGATCCAGATGAGGCAATGAGGCAATGTCCAGGAGGAGAGAACCAAGGGGAGAG					
	1230	1240	1250	1260	1270	1280
	670	680	690	700	710	720
h8817c10-5(2	GAGAGAGAGAACAGAAAAAGAAAGGAGCTGATGAAAGGGGCCAGGAGCAACAGAG					
mm8817(642-1	GAGAGAGAGAACAGAAAGAGAGGCGGAGCTGATGAGAGAGGAGGAGCAACAGAG					
	1290	1300	1310	1320	1330	1340
	730	740	750	760	770	
h8817c10-5(2	GTCTTCTAGCTACAGACAGAGCTAACCAATAAAA--CAAGAGAT--CCGTTAGTTT					
mm8817(642-1	GTCTTCTAGCTACAGACAGAGCTAACCAATAAAA--CAAGAGAT--CCGTTAGTTT					
	1350	1360	1370	1380	1390	1400
	780	790		800	810	820

h8817c10-5(2) AGG-----GGTTTTGTTTTGT-----CAAATGTGCACAAAGCTACTCTCCACAT
:: :: :: :: :: :: :: :: :: :: :: :: :: :: ::
m#8817(642-1) AGGTTTTCCTGTTTGTATTATGTGTGTGTGTGCAAAAAGTGACAAAAGCTACTCTCCAGTC
1410 1420 1430 1440 1450 1460
830 840 850 860 870 880
h8817c10-5(2) CTGCACACTGGTGTGCAGCCTTTGTGCTGCTCTGCCCAGTATCTGTCCCGAATAACATGG
:
m#8817(642-1) C---ACACTGGTGGACAGCATCTCTGATCTCTGCACCAGTATCCATTTTCAGTAA--TGC
1470 1480 1490 1500 1510
890 900 910 920 930 940
h8817c10-5(2) TG-AAAGGAGCACACCAGCATGGCCCCCTGTGTATTATTATGCTTTGGATTGAATCTGGA
: : : : : X: : : : : : : : : : : : : : :
m#8817(642-1) TGCACAGGCGAGGTGCCCAAGCATGCACTCAGCGTTATTATTATGCTTTGATTGGAATCTGGG
1520 1530 1540 1550 1560 1570
950 960 970 980
h8817c10-5(2) GACTCTGAAGCGCAGGAG--TAAGTGACAG--CCCCTGACTTGGCTCA-----GTGT
:
m#8817(642-1) GCCTGTGATGGCAGACCTTGTGTAGCTGAGTCAGCGAGCTGATGCATCTGTACTCTT
1580 1590 1600 1610 1620 1630
990 1000 1010 1020 1030 1040
h8817c10-5(2) GTGCTGAG-AGAATCCGTCCCGCCACCATGGACATGCTAGAGGTGTGAGGCTGCA-GAA
:
m#8817(642-1) GTGATGAGCAGAGTGTGTCAAGAACC-TGTCCCTGGCAGCGTGGACCCACAGGAGGCA
1640 1650 1660 1670 1680 1690
1050 1060 1070 1080 1090 1100
h8817c10-5(2) CACCGCTGGAGGACGCACTTGTGCGCTATTATGTGAAAGAAGATGCTTGGCAGGCAATGC
:
m#8817(642-1) CAAGGCTGTA-GATCACCACAGAGAATGCACCTGTGCGCTATTTTGATGAGTGGCAAT--
1700 1710 1720 1730 1740 1750
1110 1120 1130 1140 1150 1160
h8817c10-5(2) GCTACTCACTCGTAGCTTTTATTCTCACAATTGTGCATTTTCAAGGATATGTTTGTGTGG
:
m#8817(642-1) GCTAAGCAAGCAAGCACTGT-TCATCTGTGACTTTTCAATTTCTCACACTGTG-CACTGTCA
1760 1770 1780 1790 1800
1170 1180 1190 1200 1210 1220
h8817c10-5(2) ATATCTGCTAGTGTATACCAATG-GTATCTCAGCATGTTACCTTCACA-CTGTGTG-
:
m#8817(642-1) AAGACAAMTGTGCATGGAAAAATGTTTAGTGTCACTCATGGCGTCTTCAGCATCAGTGA
1810 1820 1830 1840 1850 1860
1230 1240 1250
h8817c10-5(2) CGATGAAACTGCTTTTAGCTGAGGATATGCTCTGG
:
m#8817(642-1) CCTTCAAACCGTCTCAATAGAGACTGTGTTCTAG
1870 1880 1890 1900

⑤
2/2

題名

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✓ 817

No. 17.

62

2001年1月6日

2001 年 7 月 6 日

7/6

21 箱。 50g B32M

709. 70
54

QK1 10-2 ↑
2 10-6 F530
3 10-12 ↓
4 10-2 ↑
5 10-6 Fend
6 10-12 ↓
7 10-2 ↑
8 10-5 X 読め
9 10-6 F119-1 X "
10 10-12 O / E-
11 10-18 O / ~ 310 g/g 77-

Sag PCR
Pre-Mix 3 μl
2 μM Primer 0.8 μl
DNA 1 μl
dH₂O 5.2 μl
10 μl

x 14
42.
72.8.

32.1.
49.2

Grock Plate 2 3/2 12V-0.
37°C ; 0A

Stock Plate is 3/2 JET-D
37°C: D/A

M. Ic 2001年 7月 6 日
記録者署名

確認者署名

01 年 7 月 09 日